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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/758,401
	Filing Date	January 15, 2004
	First Named Inventor	G. Mike Makrigiorgos
	Art Unit	To be assigned
	Examiner Name	To be assigned
Total Number of Pages in This Submission	Attorney Docket Number	700157-53471

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Firm or Individual name	Ronald I. Eisenstein (30,628)/Nicole L.M. Valtz (47,150) Nixon Peabody, LLP, 100 Summer Street, Boston, MA 02110	
Signature	<i>Nicole L. Valtz</i>	
Date	Sept. 30, 2004	

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Applicant's Docket No. 700157-53471

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: G. Mike Makrigiorgos

Application No.: 10/758,401

Group No.: To be assigned

Filed: 01/15/2004

Examiner: To be assigned

For: AMPLIFICATION OF DNA IN A HAIRPIN STRUCTURE, AND APPLICATIONS

MAIL STOP AMENDMENT

Commissioner for Patents

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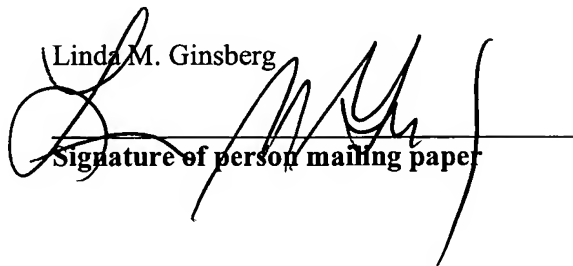
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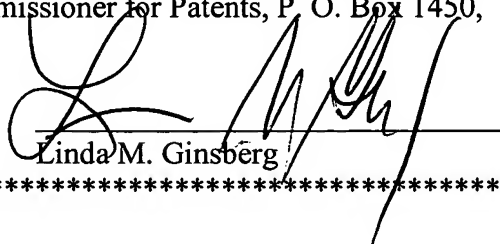
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Date: September 30, 2004


Linda M. Ginsberg

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO/SB/08b, for consideration by the Examiner in connection with the examination of the above-identified patent application.

I. REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed:

X (1) within three (3) months of the Filing Date or **before the mailing date of the First Office Action** on the merits; or

- (2) within three months of the mailing date of the PCT International Search Report; or
- (3) after the period defined in (1) but before the mailing date of a **Final Rejection** or **Notice of Allowance**, and the requisite Certification or fee under Rule 1.17(p), namely **\$180.00**, is included herein; or
- (4) after the mailing date of a **Final Rejection** or **Notice of Allowance** but before the payment of the **Issue Fee**, and the requisite Certification, petition, and petition fee are included herein.

It is respectfully requested that each of the documents shown on the attached form(s) PTO/SB/08b be made of record in this application. Copies of these documents (CHECK ONE):

 X are enclosed herewith; and

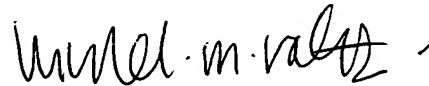
— have been cited in the parent application, and are thus not being resubmitted herein.

Early examination and allowance of the present application are respectfully solicited.

FEE AUTHORIZATION

Should any fees associated with the submission be required, the Commissioner is authorized to charge the missing fee to our Deposit Account No. 50-0850. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,



Ronald I. Eisenstein (Reg. No. 30,628)
Nicole L.M. Valtz (Reg. No. 47,150)
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Boston, MA 02110
(617) 345-6054

Date: September 30, 2004



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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	10/758,401
Filing Date	01/15/2004
First Named Inventor	G. Mike Makrigiorgos
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	700157-53471

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	PAULO ANDRE ET AL., "Fidelity and Mutational Spectrum of Pfu DNA Polymerase on a Human Mitochondrial DNA Sequence," Genome Research, Vol. 7, p. 843-852, (1997).	
	C2	BARTRAM, C.R. ET AL, "Detection of minimal residual leukemia by polymerase chain reactions," Bone Marrow Transplant, p. 4-8, (1990).	
	C3	NEAL F. CARIELLO ET AL., "Fidelity of Thermococcus litoralis DNA polymerase (Vent) in PCR determined by denaturing gradient gel electrophoresis," Nucleic Acids Research, Vol. 19 (No. 15), p. 4193-4198, (July 1, 1991).	
	C4	AIMEE L. JACKSON ET AL., "On the origin of multiple mutations in human cancers," Seminars in Cancer Biology, Vol. 8, p. 421-429, (1998).	
	C5	GARETH J.S. JENKINS ET AL., "Mutation analysis using the restriction site mutation (RSM) assay," Mutation Research, Vol. 405, p. 209-220, (1998).	
	C6	MANJIT KAUR ET AL., "Ligation of a primer at a mutation: a method to detect low level mutations in DNA," Mutagenesis, Vol. 17 (No. 5), p. 365-373, (2002).	
	C7	PHOUTHONE KEOHAVONG, "Fidelity of DNA polymerases in DNA amplification," Proc. Natl. Acad. Sci. USA, Vol. 86, p. 9253-9257, (December, 1989).	
	C8	KONSTANTIN KHRAPKO ET AL., "Mutational spectrometry without phenotypic selection: human mitochondrial DNA," Nucleic Acids Research, Vol. 25 (No. 4), p. 685-693, (1997).	
	C9	XIAO-CHENG LI-SUCHOLEIKI ET AL., "A sensitive scanning technology for low frequency nuclear point mutations in human genomic DNA," Nucleic Acids Research, Vol. 28 (No. 9), p. E44, (2000).	
	C10	QIANG LIU ET AL., "Truncated Amplification: A Method for High-Fidelity Template-Driven Nucleic Acid Amplification," BioTechniques, Vol. 33 (No.1) p. 129-138, (July, 2002).	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Application Number	10/758,401
				Filing Date	01/15/2004
				First Named Inventor	G. Mike Makrigiorgos
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				Examiner Name	To be assigned
Sheet	2	of	2	Attorney Docket Number	700157-53471

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C11	PAGE B. MCKINZIE ET AL., "Prospects for applying genotypic selection of somatic oncomutation to chemical risk assessment," Mutation Research, Vol. 489, p. 47-78, (2001).	
	C12	HISAYOSHI NAKAZAWA ET AL., "Relationship Between Chemcially Induced Ha-ras Mutation and Transformation of BALB/c 3T3 Cells: Evidence of Chemical-Specific Activation and Cell Type-Specific Recruitment of Oncogene in Transformation," Molecular Carcinogenesis, Vol 3, p. 202-209, (1990).	
	C13	BARBARA L. PARSONS ET AL., "Genotypic selection methods for the direct analysis of point mutations," Mutation Research, Vol. 387, p. 97-121, (1997).	
	C14	BARBARA L. PARSONS ET AL., "Detection of Basepair Substitution Mutation at a Frequency of 1x10(-7) by Combining Two Genotypic Selection Methods, MutEx Enrichment and Allele-Specific Competitive Blocker PCR," Environmental and Molecular Mutagenesis, Vol. 32 p. 200-211, (1998).	
	C15	H. STEINGRIMSDOTTIR ET AL., "Development of new moleuclar procedures for the detection of genetic alterations in man," Mutation Research, Vol. 353, p. 109-121, (1996).	
	C16	TRANSGENOMIC, "Transgenomic Optimase Polymerase Delivers Highest Fidelity in PCR for WAVE System Analysis," (US). http://www.transgenomic.com/pdf/AN119u.pdf , (2002).	
	C17	DAVID SIDRANSKY, "Nucleic Acid-Based Methods for the Detection of Cancer," Science, Vol. 278, p. 1054-1059, (November 7, 1997).	
	C18	VINCENT L. WILSON ET AL., "Oncogenic Base Substitution Mutations in Circulating Leukocytes of Normal Individuals," Cancer Research, Vol. 60, p. 1830-1834, (April 1, 2000).	

Examiner Signature	Date Considered
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